

14. The system of claim 13, wherein said virtual address is a virtual Internet Protocol (IP) address.

*SubA2* 5 15. A system for identifying a physical address associated with a virtual address, wherein said physical address is associated with a network interface of a network device, wherein said virtual address is also associated with said network device, comprising:

10 means for forming a request message, said request message including said virtual address and a virtual network identifier value, said virtual network identifier value associated with a virtual network, said virtual network having a private address space including said virtual address;

means for transmitting said request message over a communication link;

20 means for receiving a response to said request message, said response including said physical address associated with said network interface of said network device; and

25 means for storing said physical address of said network device associated with said virtual address in an entry in a data structure, wherein said entry further includes said virtual network identifier and said virtual address.